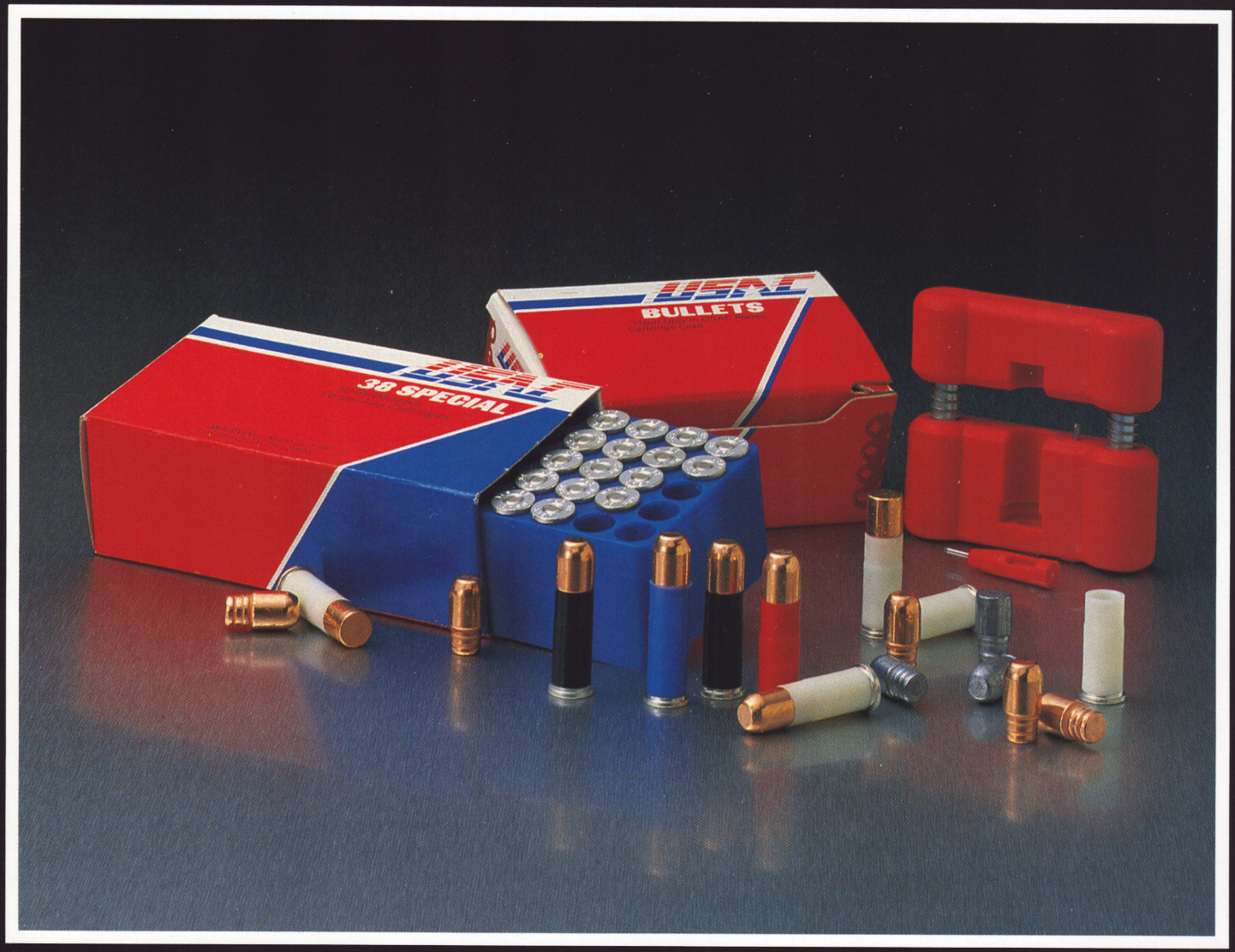
# AMMUNITION PRODUCTS



# Ammunition Excellence: The Plastic-Cased .38 Special

## Better than Brass

The United States Ammunition Company has made a major breakthrough in ammunition design, production, and performance. Seven years of R&D has produced a reloadable centerfire **plastic-cased** cartridge with significant advantages over metallic rounds. The low cost polymer case material enables USAC to offer a high-quality but very **inexpensive** ammunition product. Compared to brass, a USAC round is a **hotter** round! Shooters get faster, flatter trajectory rounds and tighter groups. Also very lightweight with high corrosion resistance, plastic-cased ammo promises to revolutionize ammunition manufacturing.

## An Engineering Breakthrough

USAC's pioneering plastic cartridge case is a triumph of engineering design. The case employs two "O-rings" moulded to the inside case wall that snap into special grooves on the base of the projectile. Bullet seating is exact and secure. Specially designed manufacturing and quality control equipment also assures proper charge, size and weight of loaded ammo. The result is a new era in ammunition ballistic performance for competitive and recreational marksmen as well as law enforcement personnel who want top performance from their service rounds.

## Easy & Fast Reloading

The reloadability of USAC's ammo gets reloaders very excited. The tough "memory" plastic case contracts to its original size after each firing. Shooters can reload a case up to eight times without resizing, crimping, or trimming. Nor is there any need to invest in costly reloading tools. USAC's little hand-held tool for depriming and bullet seating makes reloading amazingly easy. Shooters can even reload on the range or in the field.

## A Full Line of Replacement Bullets

USAC manufactures a full line of replacement bullets for both its plastic-cased ammo plus a variety of different calibres for conventional brass cartridges and black powder weapons. USAC bullets are made of copper-plated cast lead. The copper plating is thick enough to act as a full metal jacket. Like mechanically swaged copper jacketed bullets, the copper plating eliminates barrel lead fouling. But test results also indicate that when compared to swaged bullets, plated bullets minimize projectile fragmentation . . . an important factor in indoor range shooting. USAC bullets are engineered to provide consistent and reliable expansion over a range of velocities, with close projectile tolerances that shooters can depend on for maximum accuracy.

## Low, Low Cost

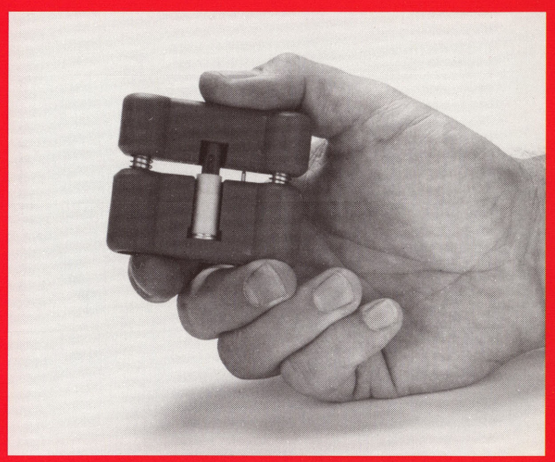
It's no fun holding back on the range because you're paying too much for loaded ammo. Get ready for **a surprise!** Just compare the lowest .38 Special new metallic ammo prices with USAC's U.S.-made plastic-cased product. In some areas, USAC ammo is even less expensive than remanufactured brass ammunition. But shooting is believing. See your USAC dealer the next time you need ammo. Come join a Shooting Revolution!

# Reloading the .38 Special

A USAC plastic-cased cartridge is reloadable up to eight times. The plastic case is much easier to reload than a brass case since no resizing, crimping, or trimming is required. In addition to a USAC Handtool, a primer loading tool, handheld powder measure, and shell holder block are necessary. Reloading is done in six easy steps as described below.

**1.**
Place depriming pin in case. CAUTION: DO NOT DECAP LIVE PRIMER.

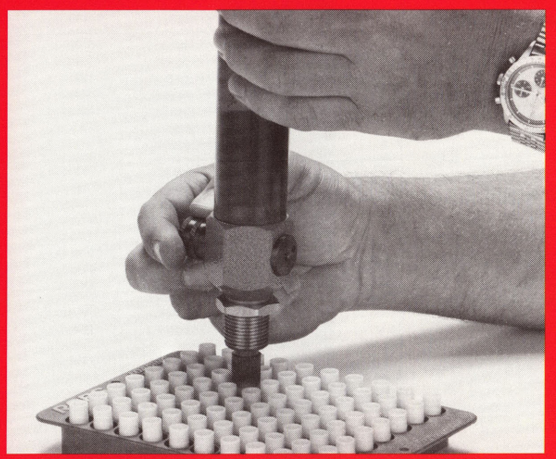
**2.**
Place case in tool and squeeze.



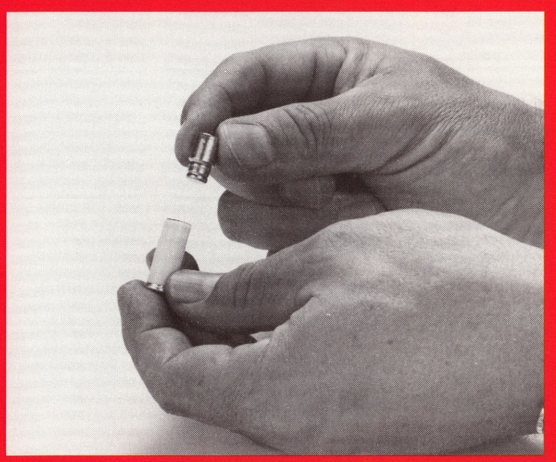
**3.**
Prime cartridge case.

**WARNING:** Ballistic data is included in each box of USAC ammunition. Data may vary considerably depending on many factors such as how components are assembled and type of firearm used. Read instructions carefully before loading.

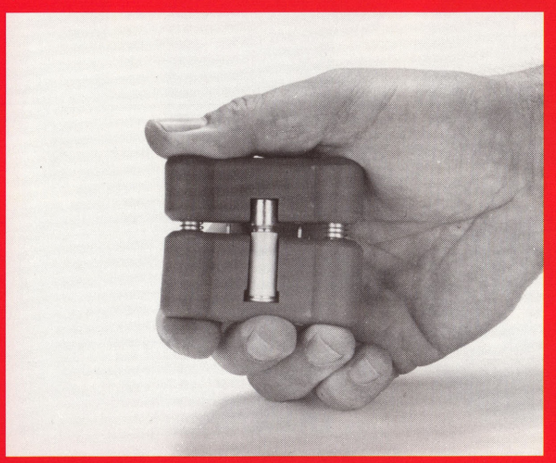
**4.**
Charge case with powder.



**5.**
Insert bullet in case.



**6.**
Place case and bullet in seating slot. Gently squeeze handtool until bullet snaps into place.



# Centerfire Ammunition Ballistics

## FIRING RECORD

**H. P. WHITE LABORATORY, INC.** **JOB NO.** 3100

3114 Scarboro Road, Street, Maryland 21154

| | | | |
|---|---|---|---|
| **Ammunition:** .38 Special Plastic Case | | | |
| Case: USAC .38 SpL | | Used X: | Catalog No.: |
| Primer: | | Loader: | Lot No.: |
| Powder: | gr. | On: | Seating Depth: |
| Bullet: 150 | gr. FMJ | | Overall Length: |
| **Weapon:** Test barrel | | Ser. No.: 215 | Bbl. Length: 10" |
| Bore: .346 | Groove .356 | Number: 5 | Twist: R-1 in 18¾" |

| Round No. | Velocity Time Over 20 ft. | Velocity f.p.s. @ 15' | #516 Pressure Lo = .400 Lc | Pressure p.s.i. | Remarks |
|---|---|---|---|---|---|
| 1 | .023434 | 853.5 | .3525 | 16,900 | Target "A"—Extreme Spread 2.35" |
| 2 | .023553 | 849.1 | No reading | | |
| 3 | .023156 | 863.7 | .3505 | 17,400 | |
| 4 | .023571 | 848.5 | .3550 | 16,300 | |
| 5 | .023504 | 850.9 | .3565 | 16,000 | |
| 6 | .023671 | 844.9 | .3420 | 19,300 | Target "B"—Extreme Spread 1.25" |
| 7 | .024063 | 831.2 | .3570 | 15,800 | |
| 8 | .023967 | 834.5 | .3565 | 16,000 | |
| 9 | .023371 | 855.8 | .3550 | 16,300 | |
| 10 | .022432 | 891.6 | .3440 | 18,900 | |
| 11 | .023544 | 849.5 | .3530 | 16,800 | Target "C"—Extreme Spread 1.85" |
| 12 | .023571 | 848.5 | .3550 | 16,300 | |
| 13 | .023437 | 853.4 | .3530 | 16,800 | |
| 14 | .023510 | 850.7 | .3535 | 16,700 | |
| 15 | .023861 | 838.2 | .3490 | 17,800 | |
| 16 | .023413 | 854.2 | .3500 | 17,500 | Target "D"—Extreme Spread 1.05" |
| 17 | .023525 | 850.2 | .3505 | 17,400 | |
| 18 | .023526 | 850.1 | .3520 | 17,000 | |
| 19 | .023386 | 855.2 | .3540 | 16,600 | |
| 20 | .023665 | 845.1 | .3550 | 16,300 | |
| 21 | .023794 | 840.5 | .3535 | 16,700 | Target "E"—Extreme Spread 1.00" |
| 22 | .023334 | 857.1 | .3510 | 17,300 | |
| 23 | .023761 | 841.7 | .3555 | 16,200 | |
| 24 | .023909 | 836.5 | .3510 | 17,300 | |
| 25 | .023720 | 843.1 | .3535 | 16,700 | |

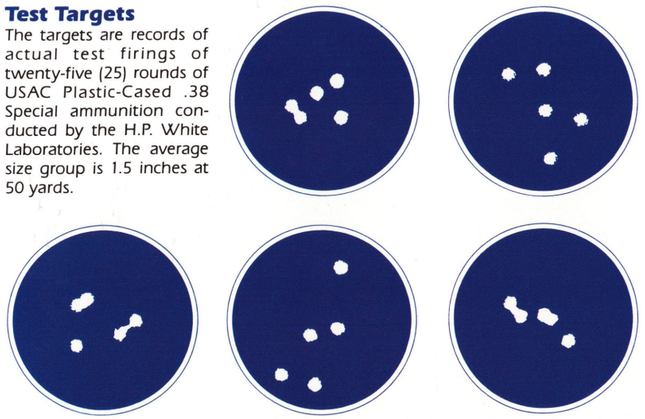
| | Velocity | Pressure | Client |
|---|---|---|---|
| Average: | 849.5 | 16,900 | United States Ammunition Co., Inc. |
| Extreme Var.: | | | |
| Mean Var.: | | | |
| Standard Dev.: | | 852.9 | |

| **Range Conditions:** | Barometer: | Date: 12 October 1983 |
|---|---|---|
| Dry Bulb Temp.: | Wind: | Range: |
| Wet Bulb Temp.: | Chronograph No. | Gunner: Mitchem |
| Rel. Humidity: | Screens: 5' and 25' | Recorder: Poole |

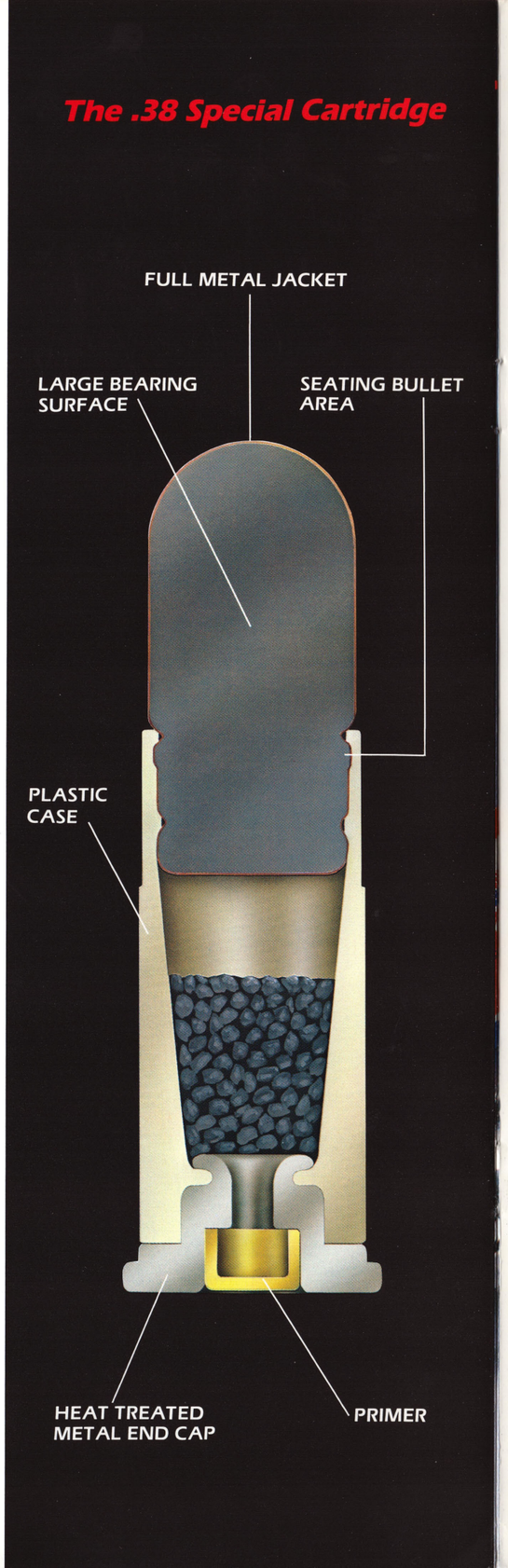
Form 21

### Test Targets

The targets are records of actual test firings of twenty-five (25) rounds of USAC Plastic-Cased .38 Special ammunition conducted by the H.P. White Laboratories. The average size group is 1.5 inches at 50 yards.



# The .38 Special Cartridge




# Brass-Case Replacement Bullets

**38 caliber .357**
148 grain FMJ
Wadcutter

**38 caliber .357**
150 grain FMJ
Semi-Wadcutter

**38 caliber .357**
158 grain FMJ
Semi-Wadcutter

**38 caliber .357**
158 grain FMJ
Roundnose

**38 caliber .357**
148 grain
Lead Wadcutter

**38 caliber .357**
150 grain Lead
Semi-Wadcutter

**38 caliber .357**
158 grain Lead
Semi-Wadcutter

**38 caliber .357**
158 grain
Lead Roundnose

**45 ACP .451**
200 grain FMJ
Semi-Wadcutter

**45 ACP .451**
230 grain FMJ
Roundnose

**45 ACP .451**
250 grain FMJ
Semi-Wadcutter

**45 ACP .451**
200 grain Lead
Semi-Wadcutter

**45 ACP .451**
230 grain
Lead Roundnose

**45 ACP .451**
250 grain Lead
Semi-Wadcutter

**9 mm .355**
125 grain FMJ
Roundnose

**9 mm .355**
125 grain FMJ
Flat Point

# Plastic-Case Replacement Bullets

**.38 caliber**
148 grain FMJ
Wadcutter

**.38 caliber**
150 grain FMJ
Semi-Wadcutter

**.38 caliber**
158 grain FMJ
Semi-Wadcutter

**.38 caliber**
158 grain FMJ
Roundnose

**.38 caliber**
148 grain
Lead Wadcutter

**.38 caliber**
150 grain Lead
Semi-Wadcutter

**.38 caliber**
158 grain Lead
Semi-Wadcutter

**.38 caliber**
158 grain
Lead Roundnose

# Lead Round Balls

**.310 caliber**
Lead Ball

**.315 caliber**
Lead Ball

**.440 caliber**
Lead Ball

**.445 caliber**
Lead Ball

**.451 caliber**
Lead Ball

**.490 caliber**
Lead Ball

**.495 caliber**
Lead Ball

**.530 caliber**
Lead Ball

**.535 caliber**
Lead Ball

**.570 caliber**
Lead Ball

# .38 Special Loaded Ammunition

**.38 caliber**
148 grain FMJ
Wadcutter

**.38 caliber**
150 grain FMJ
Semi-Wadcutter

**.38 caliber**
158 grain FMJ
Semi-Wadcutter

**.38 caliber**
158 grain FMJ
Roundnose

**.38 caliber**
148 grain
Lead Wadcutter

**.38 caliber**
150 grain Lead
Semi-Wadcutter

**.38 caliber**
158 grain Lead
Semi-Wadcutter

**.38 caliber**
158 grain
Lead Roundnose

# What shooters are saying about USAC ammo.

"For me, it's better than brass. The plastic-cased ammo performs like issue ammo. I shoot a load that is close to normal recoil and muzzle blast, and still get duty velocities at wadcutter prices. I've reloaded the case up to 8 times without resizing, crimping or trimming. USAC's .38 Special is now part of my shooting schedule because it gives me what I need...low cost, performance, and easy reloading."

Larry Cotton is an 8-year veteran with the Seattle Police Department and Vice President of COPS...short for Combat-Oriented Police Shooters. Also a former Swat Team member. Three years with the Emergency Response Team. And an expert shooter with numerous awards and distinctions.

"Two things that negatively affect my shooting are anti-gun laws and the high cost of ammunition. Thanks to USAC, they've solved the high cost problem with the new .38 Special Plastic-Cased ammo. I'm still working on the first problem."

Alan M. Gottlieb is Chairman, Citizens Committee for the Right to Bear Arms. Gun Rights Author and shooter.

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